

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD050720\
 Data File : VD065714.D
 Acq On : 07 May 2020 15:43
 Operator : VA/SY
 Sample : L2540-03
 Misc : 7.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HAR-STOCK

Quant Time: May 08 06:02:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 17:01:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	389919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	660761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	582038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	259082	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	200569	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	7.91	113	211928	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	10.34	98	795529	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.64	95	256468	45.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.24%	

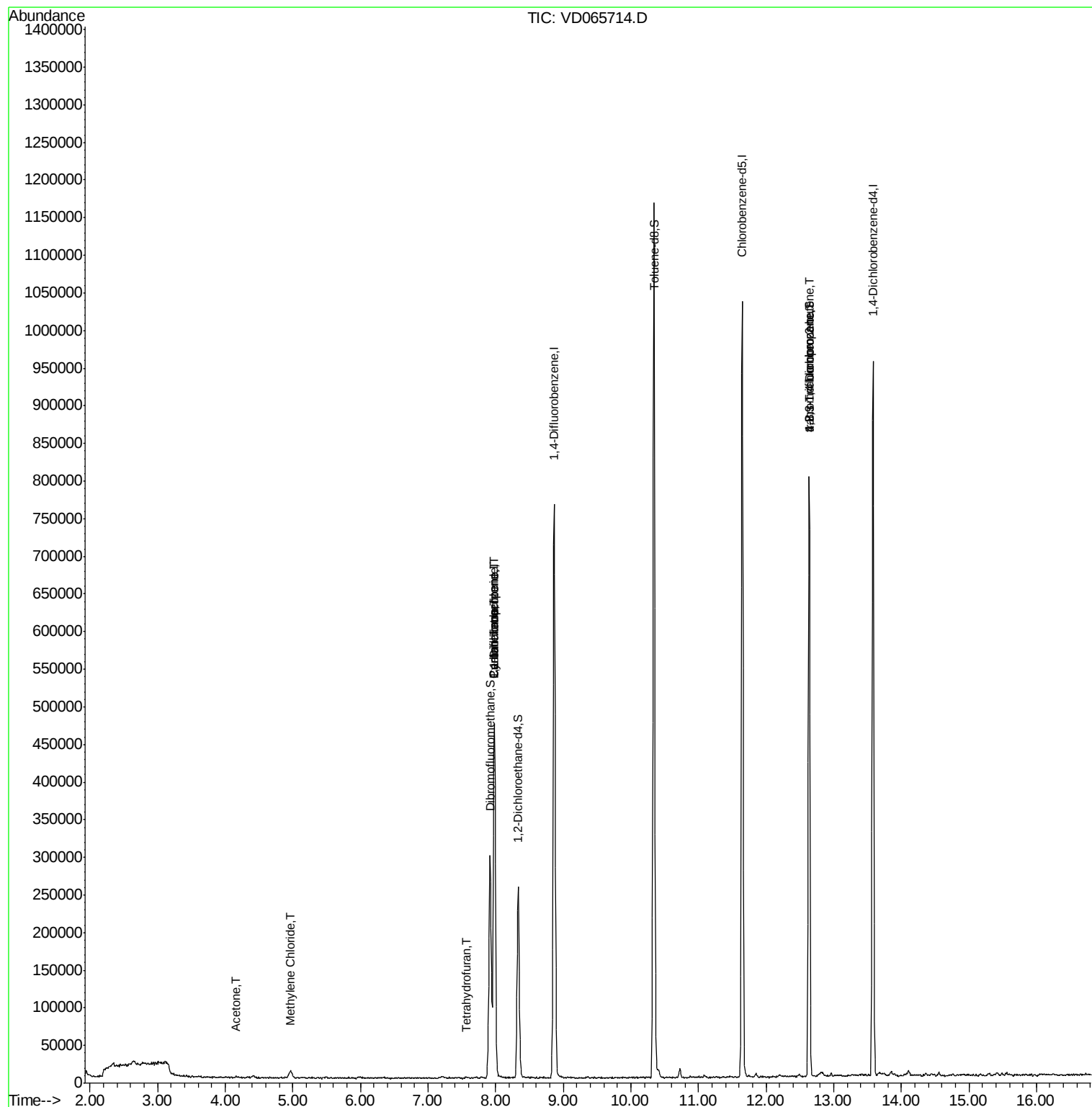
Target Compounds						Qvalue
11) Tert butyl alcohol	5.14	59	74	Below Cal	#	1
16) Acetone	4.16	43	3227	3.87	ug/l #	89
20) Methylene Chloride	4.96	84	7308	1.74	ug/l	93
29) Tetrahydrofuran	7.56	42	1071	1.34	ug/l #	38
31) Cyclohexane	7.98	56	8379	1.07	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	26878	4.10	ug/l #	51
38) Carbon Tetrachloride	7.98	117	35483	5.45	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	130196	59.50	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	130196	105.32	ug/l #	12

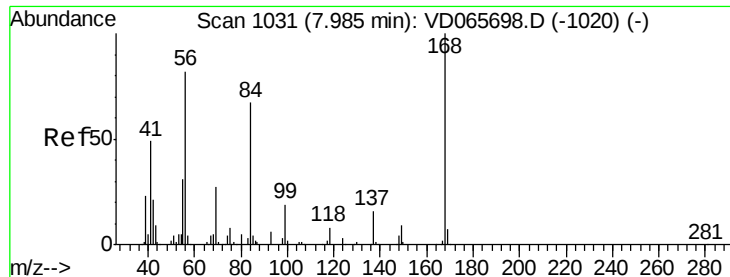
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 06 17:01:16 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065714.D

Acq: 07 May 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

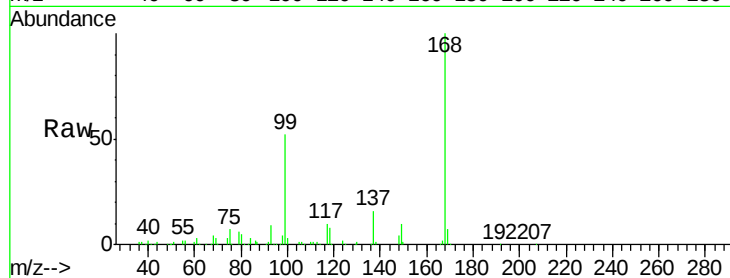
HAR-STOCK

Tgt Ion:168 Resp: 389919

Ion Ratio Lower Upper

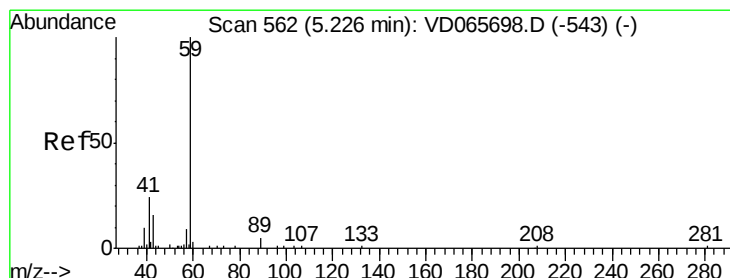
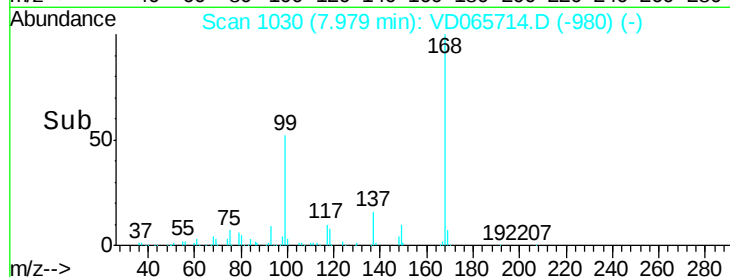
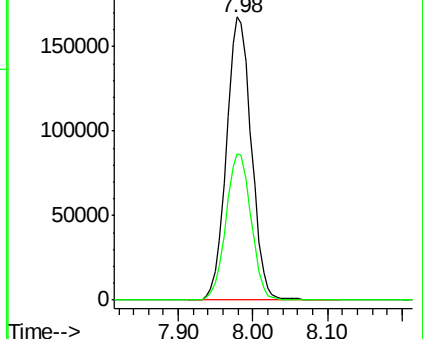
168 100

99 51.8 44.2 66.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.14 min Scan# 548

Delta R.T. -0.08 min

Lab File: VD065714.D

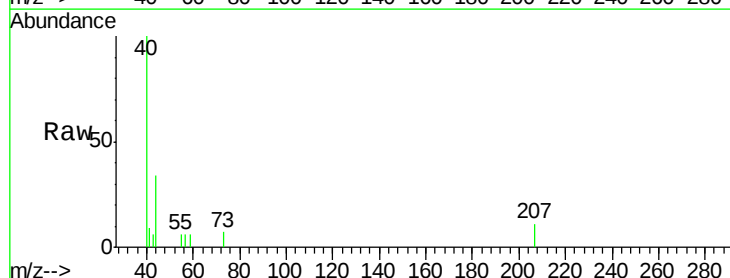
Acq: 07 May 2020 15:43

Tgt Ion: 59 Resp: 74

Ion Ratio Lower Upper

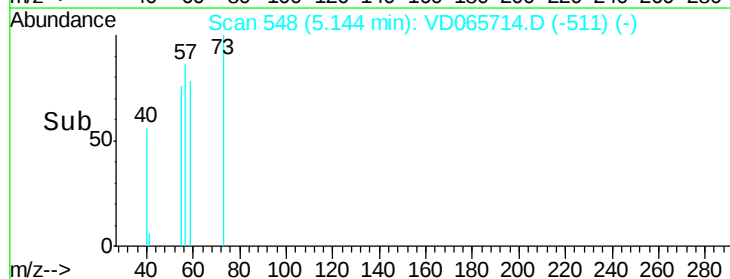
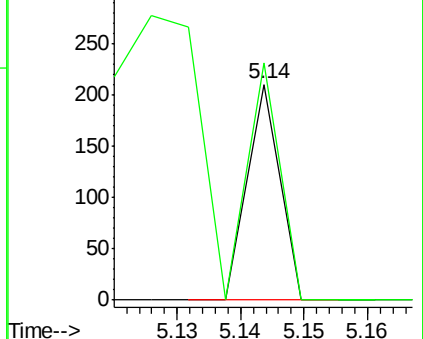
59 100

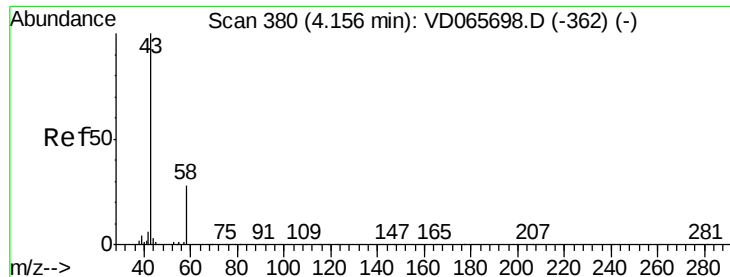
57 717.6 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 3.87 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065714.D

Acq: 07 May 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

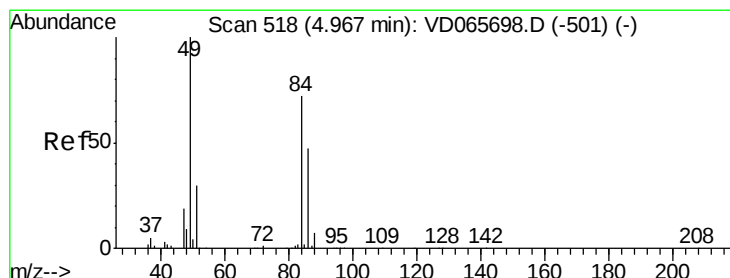
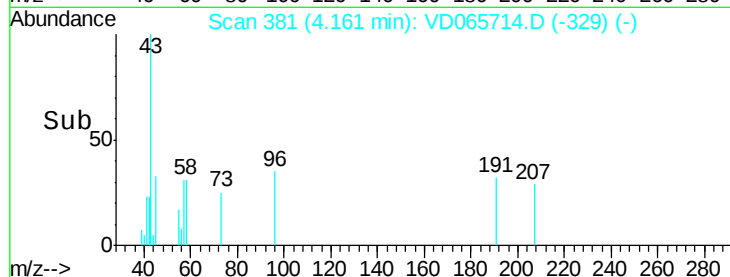
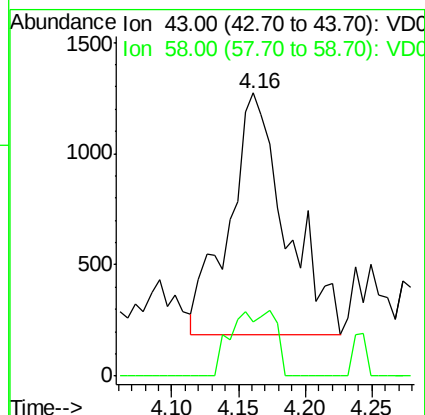
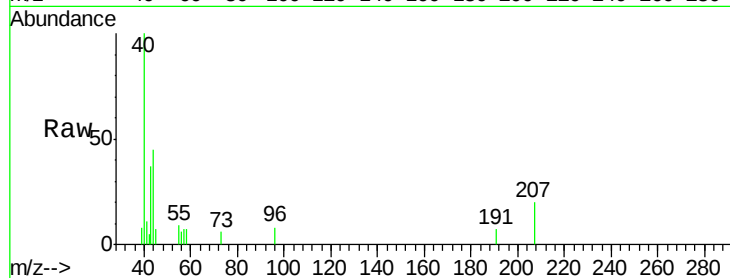
HAR-STOCK

Tgt Ion: 43 Resp: 3227

Ion Ratio Lower Upper

43 100

58 22.3 22.5 33.7#



#20

Methylene Chloride

Concen: 1.74 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD065714.D

Acq: 07 May 2020 15:43

Tgt Ion: 84 Resp: 7308

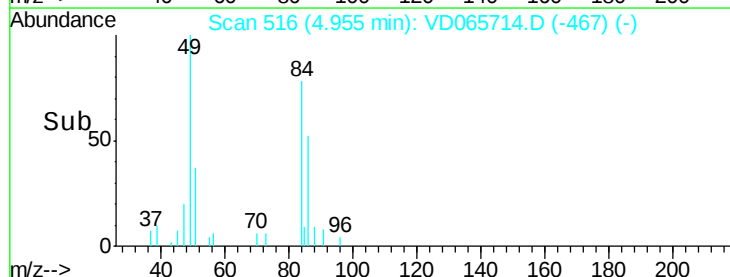
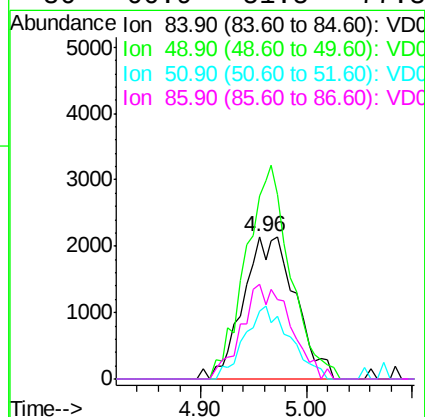
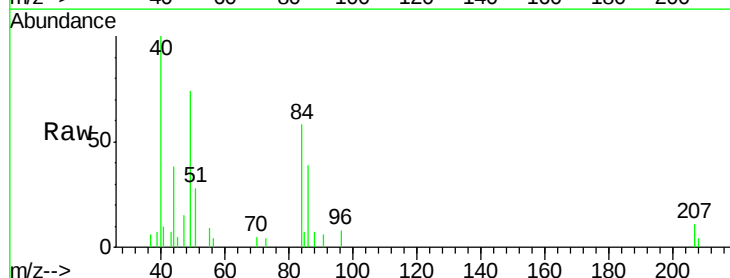
Ion Ratio Lower Upper

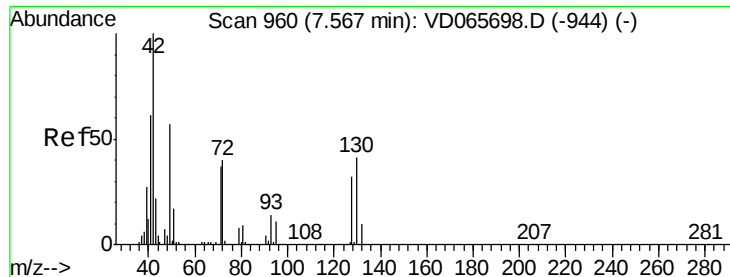
84 100

49 128.2 110.4 165.6

51 47.9 33.4 50.2

86 66.9 51.5 77.3





#29

Tetrahydrofuran

Concen: 1.34 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD065714.D

Acq: 07 May 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

HAR-STOCK

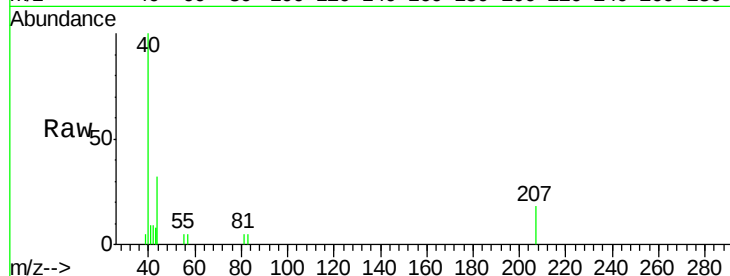
Tgt Ion: 42 Resp: 1071

Ion Ratio Lower Upper

42 100

72 0.0 30.4 45.6#

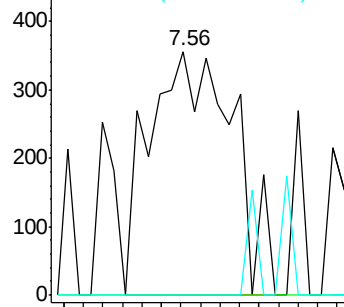
71 0.0 28.0 42.0#



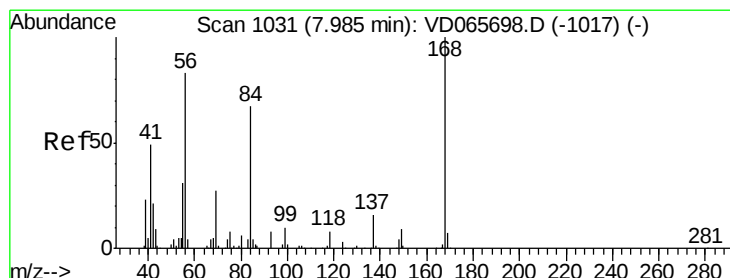
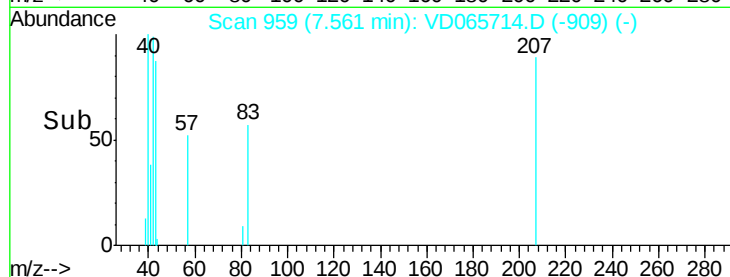
Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



Time-->



#31

Cyclohexane

Concen: 1.07 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065714.D

Acq: 07 May 2020 15:43

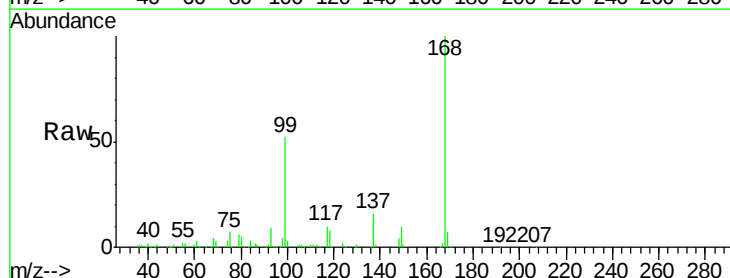
Tgt Ion: 56 Resp: 8379

Ion Ratio Lower Upper

56 100

69 164.2 26.3 39.5#

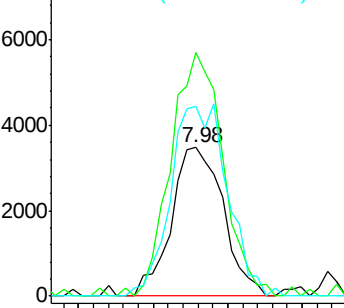
84 128.1 64.5 96.7#



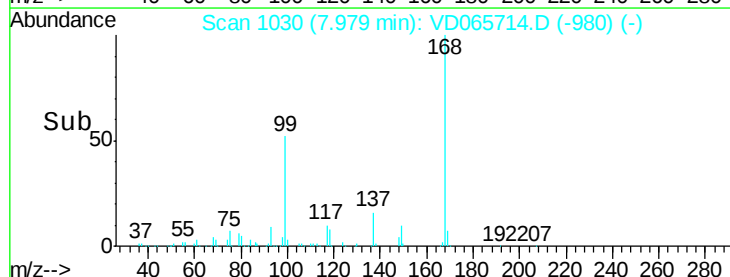
Abundance Ion 56.00 (55.70 to 56.70): VDC

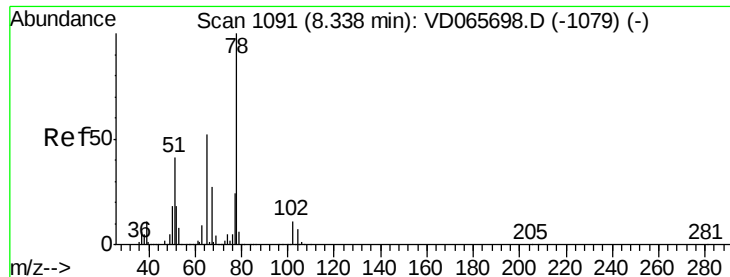
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.35 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065714.D

Acq: 07 May 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

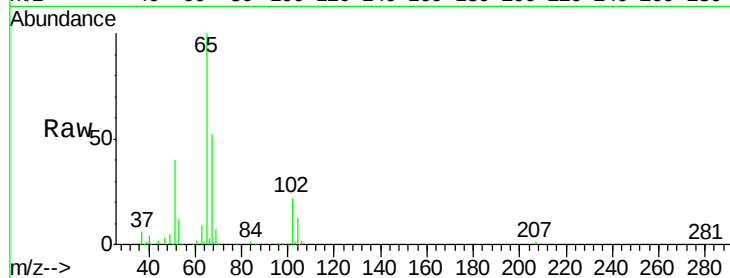
HAR-STOCK

Tgt Ion: 65 Resp: 200569

Ion Ratio Lower Upper

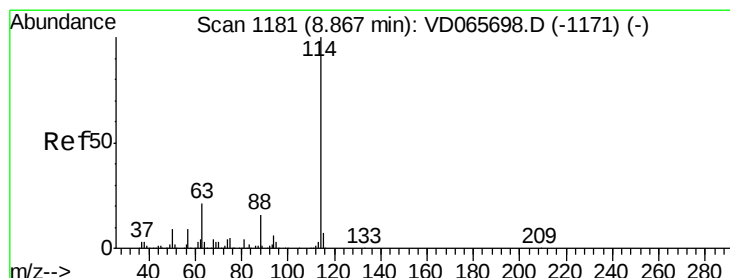
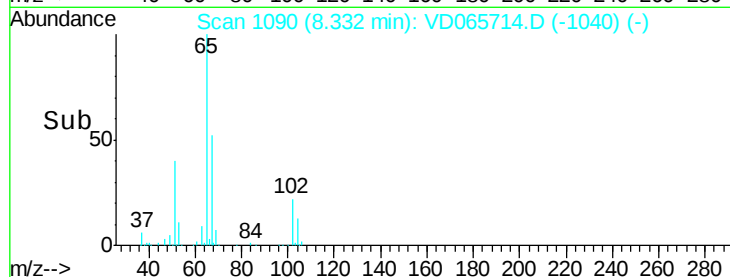
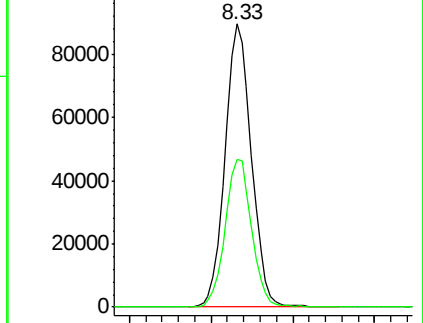
65 100

67 52.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065714.D

Acq: 07 May 2020 15:43

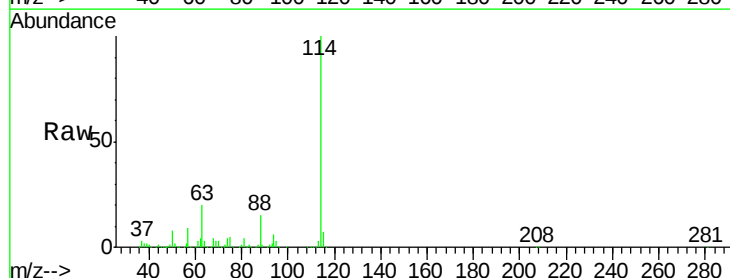
Tgt Ion: 114 Resp: 660761

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

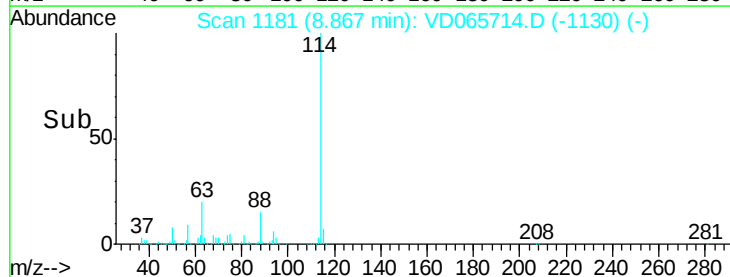
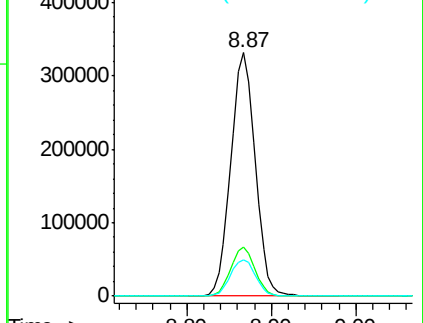
88 14.8 0.0 32.6

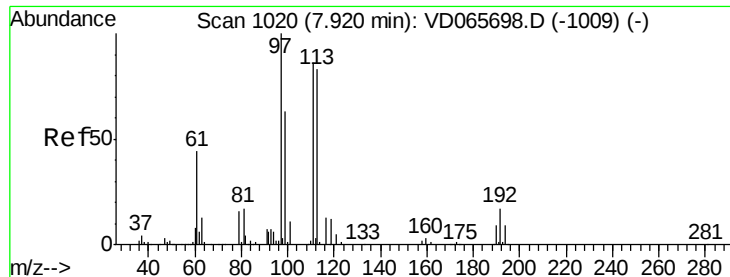


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

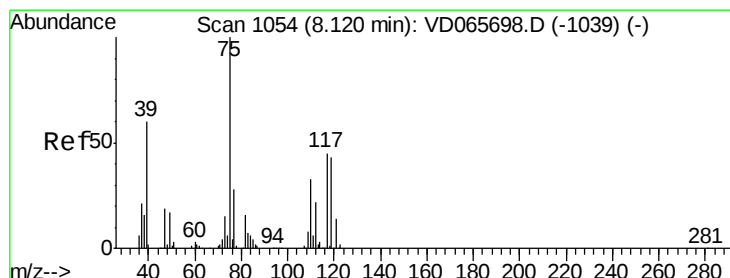
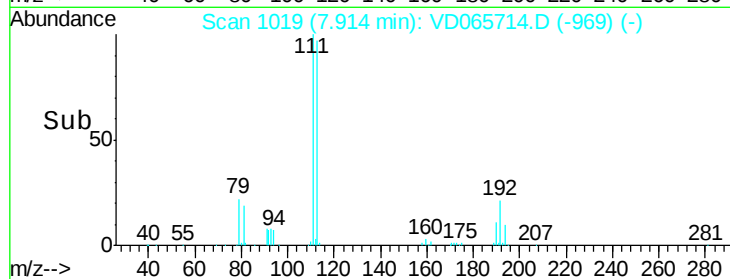
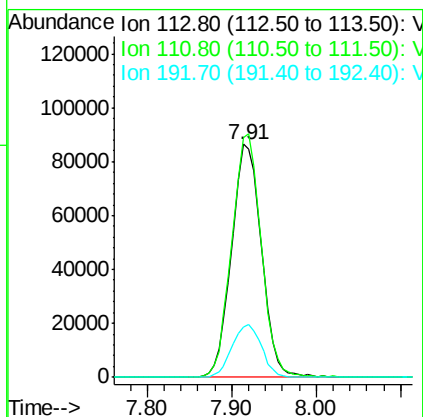
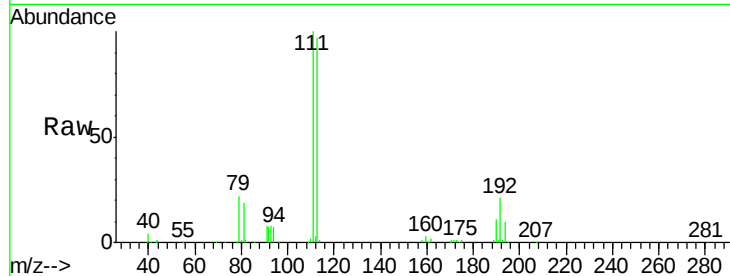




#35
 Dibromofluoromethane
 Concen: 51.32 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065714.D
 Acq: 07 May 2020 15:43

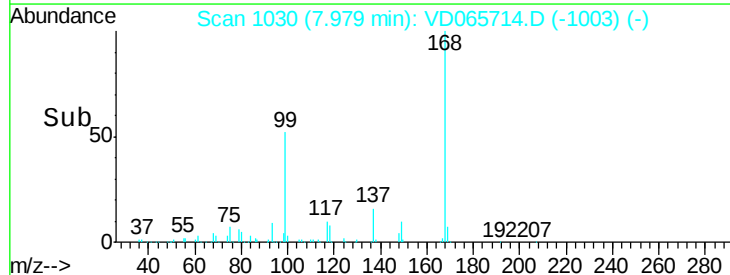
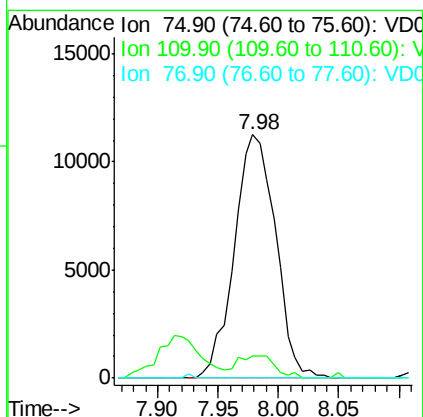
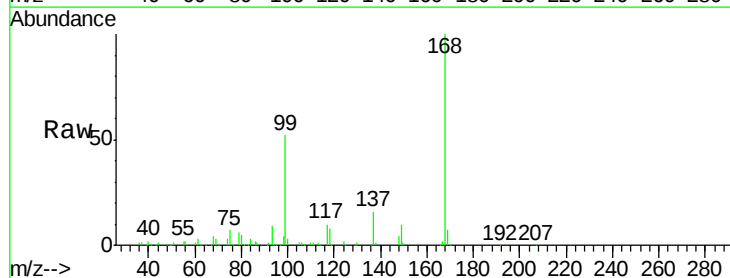
Instrument :
 MSVOA_D
 ClientSampleId :
 HAR-STOCK

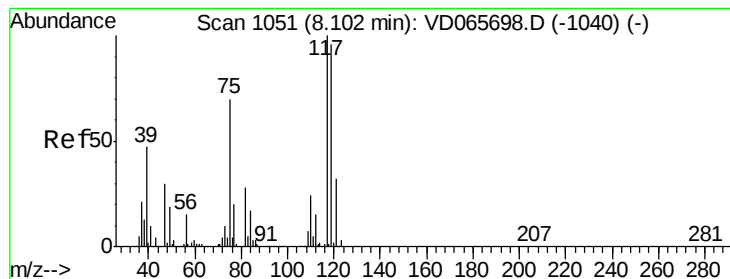
Tgt Ion:113 Resp: 211928
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.7 124.1
 192 22.3 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 4.10 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065714.D
 Acq: 07 May 2020 15:43

Tgt Ion: 75 Resp: 26878
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.2 51.6#
 77 0.0 23.7 35.5#





#38

Carbon Tetrachloride

Concen: 5.45 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065714.D

Acq: 07 May 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

HAR-STOCK

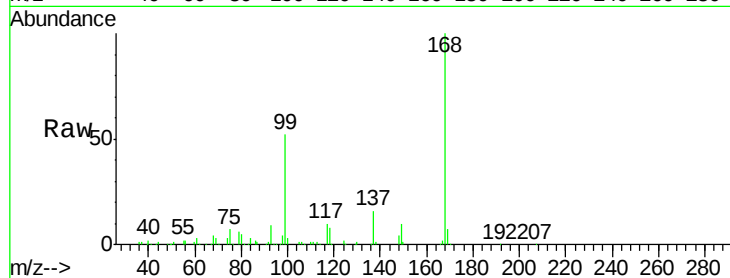
Tgt Ion:117 Resp: 35483

Ion Ratio Lower Upper

117 100

119 3.2 77.1 115.7#

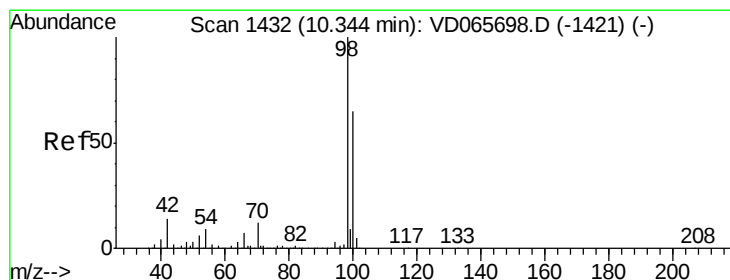
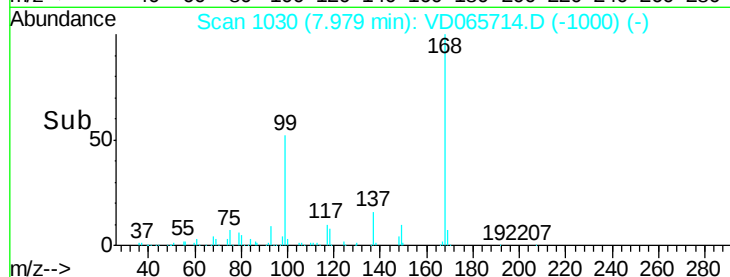
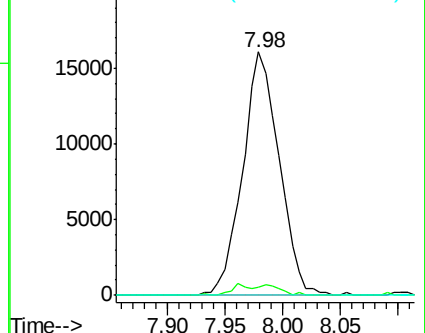
121 0.0 25.5 38.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.16 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065714.D

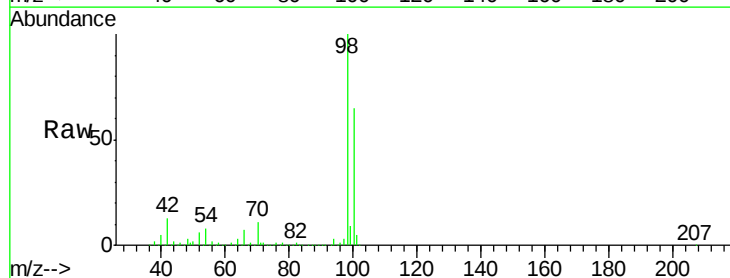
Acq: 07 May 2020 15:43

Tgt Ion: 98 Resp: 795529

Ion Ratio Lower Upper

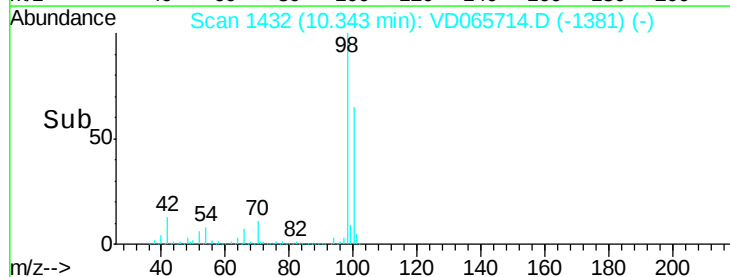
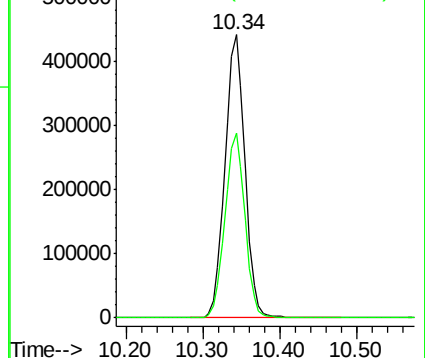
98 100

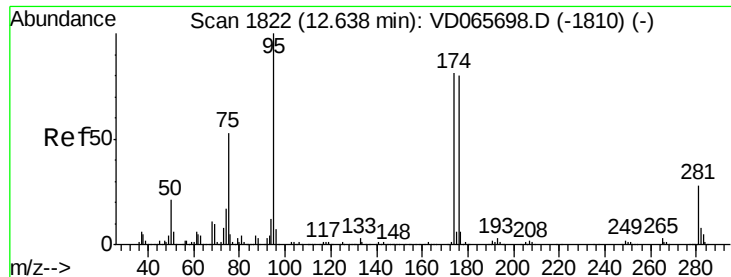
100 65.3 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.62 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065714.D

Acq: 07 May 2020 15:43

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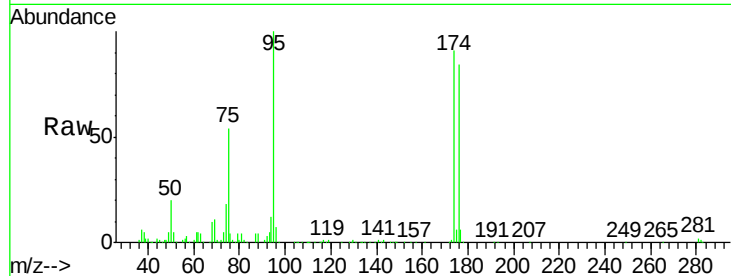
Tgt Ion: 95 Resp: 256468

Ion Ratio Lower Upper

95 100

174 89.0 0.0 162.6

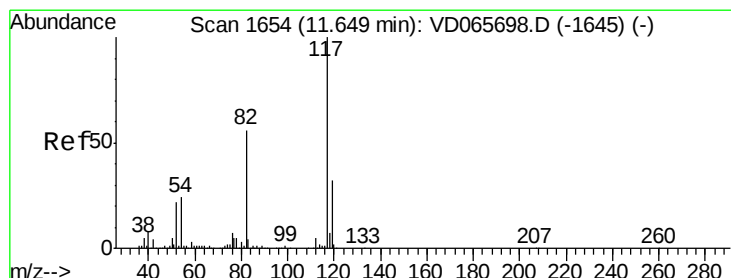
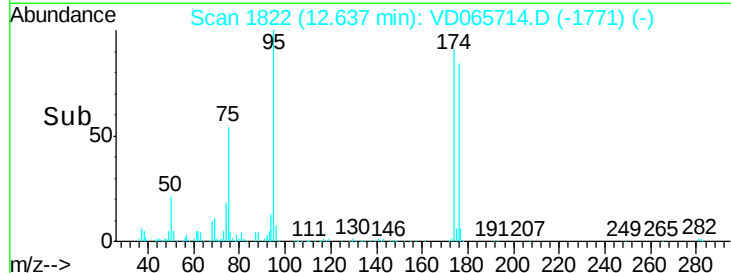
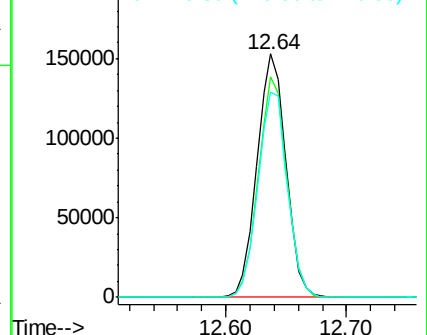
176 85.6 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VD065714.D (-1771) (-)

Ion 173.80 (173.50 to 174.50): VD065714.D (-1771) (-)

Ion 175.80 (175.50 to 176.50): VD065714.D (-1771) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065714.D

Acq: 07 May 2020 15:43

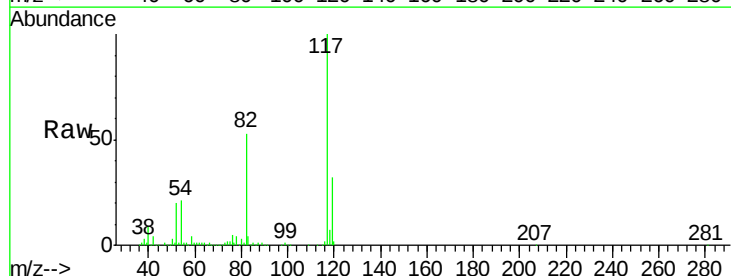
Tgt Ion: 117 Resp: 582038

Ion Ratio Lower Upper

117 100

82 53.3 44.9 67.3

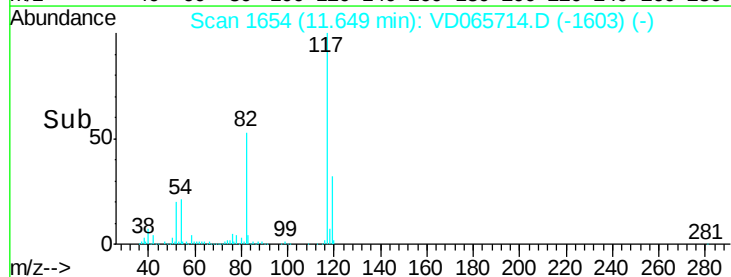
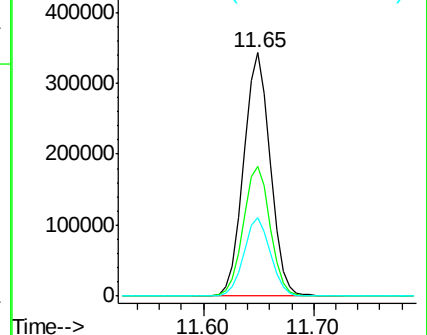
119 32.0 25.4 38.2

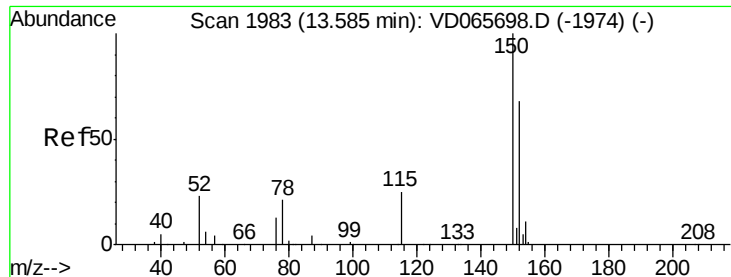


Abundance Ion 116.90 (116.60 to 117.60): VD065714.D (-1603) (-)

Ion 82.00 (81.70 to 82.70): VD065714.D (-1603) (-)

Ion 118.90 (118.60 to 119.60): VD065714.D (-1603) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065714.D

Acq: 07 May 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

HAR-STOCK

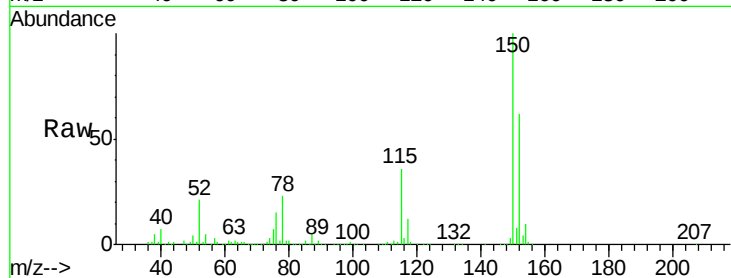
Tgt Ion:152 Resp: 259082

Ion Ratio Lower Upper

152 100

115 56.2 29.5 88.5

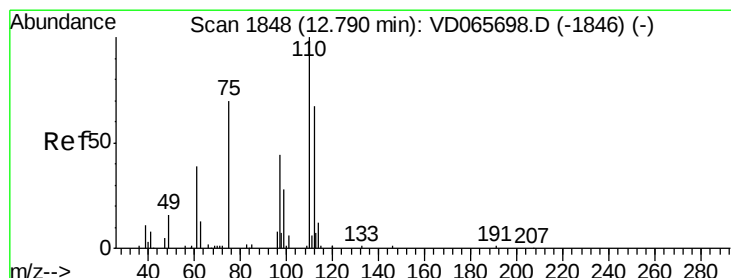
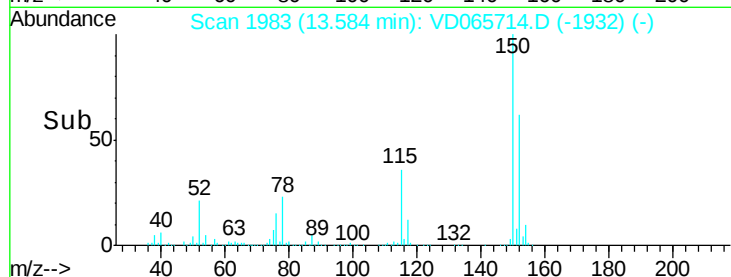
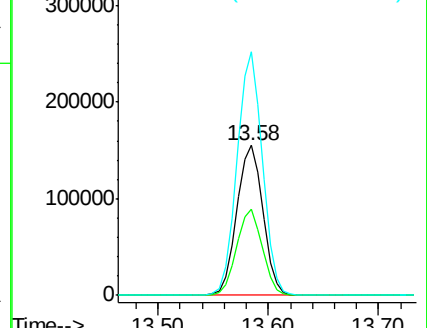
150 157.4 0.0 346.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 59.50 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065714.D

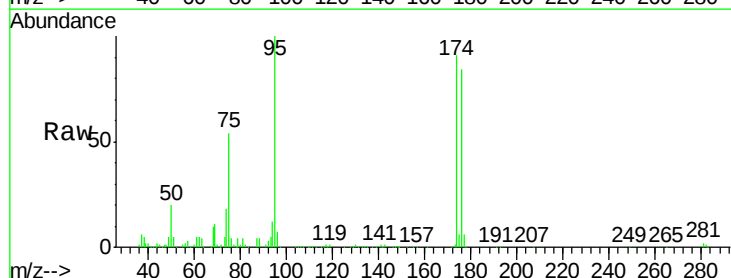
Acq: 07 May 2020 15:43

Tgt Ion: 75 Resp: 130196

Ion Ratio Lower Upper

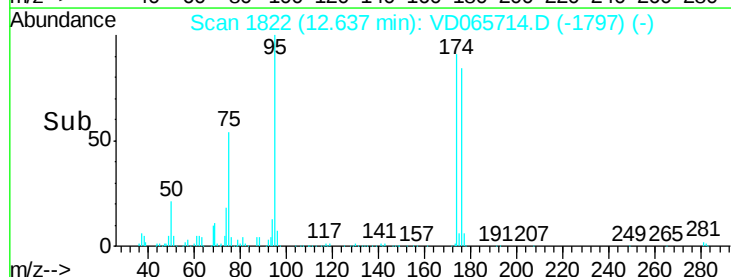
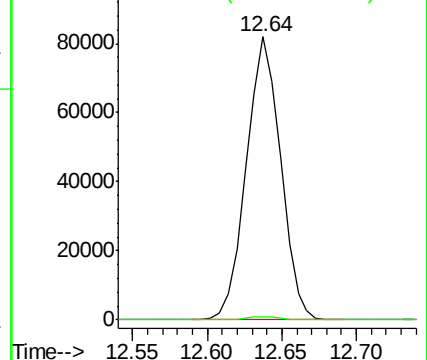
75 100

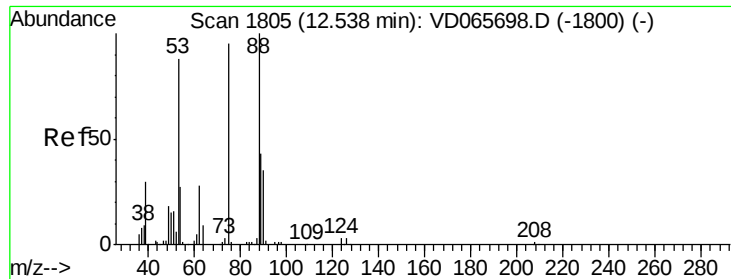
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 105.32 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065714.D

Acq: 07 May 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

HAR-STOCK

Tgt Ion: 75 Resp: 130196

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

89 0.0 36.2 54.2#

